

### **Notice**

Washington Office Instruction Memorandum No. 2010-171, dated March 5, 2010, supplements the Bureau of Land Management's 2004 National Sage-Grouse Habitat Conservation Strategy and provides the following guidance pertaining to the sale of parcels for oil/gas development: "Attach a lease notice to new leases alerting the lessee that additional conditions will be applied to approvals to develop the lease, including Applications for Permit to Drill (APDs), sundry notices and associated rights-of-way, if future sage-grouse conservation efforts are appropriate."

### **Notice to Lessee**

These parcels contain an approved plan of operations for existing mining claims and/or mill sites located under the 1872 Mining Law. The lessee must conduct its operations, so far as reasonably practicable, to avoid damage to any known deposit of any mineral for which the mining claims on this parcel are located, and should not endanger or unreasonably or materially interfere with the mining claimant's operations, including any existing surface or underground improvements, workings, or facilities which may have been made for the purpose of mining operations. The provisions of the Multiple Mineral Development Act (30 U.S.C. 521 et seq.) shall apply on the leased lands.

#### **Parcels**

#### **Description of Lands**

NV-13-01-006  
NVN064628

T.0310N, R.0330E, 21 MDM, NV  
sec. 010, ALL.

**NVSO-NTL-MIN**

**Stipulation**

This parcel may contain existing mining claims and/or mill sites located under the 1872 Mining Law. To the extent it does, the oil and gas lessee must conduct its operations, so far as reasonably practicable, to avoid damage to any known deposit of any mineral for which any mining claim on this parcel is located, and should not endanger or unreasonably or materially interfere with the mining claimant's operations, including any existing surface or underground improvements, workings, or facilities which may have been made for the purpose of mining operations. The provisions of the Multiple Mineral Development Act (30 U.S.C. 521 et seq.) shall apply on the leased lands.

**Parcels**

**Description of Lands**

NV-13-01-003

THRU

NV-13-01-009

All Land

NVSO-NTL-MIN

**NV-NSO-UJR-01**

**Stipulation**

**Unit Joinder Requirement.** The applicant for the lands listed below shall fully commit to the Humboldt House geothermal unit and file with this office, proof of having joined the Humboldt House Unit Agreement within six (6) months after the effective date of this lease. Failure to commit the lease to the Humboldt House geothermal unit shall subject the lease to cancellation.

Parcels

Description of Lands

NV-13-01-006

All Land

NV-NSO-UJR-01

**NV-NSO-UJR-02**

**Stipulation**

**Unit Joinder Requirement.** The applicant for the lands listed below shall fully commit to the Coyote Canyon geothermal unit and file with this office, proof of having joined the Coyote Canyon Unit Agreement within six (6) months after the effective date of this lease. Failure to commit the lease to the Coyote Canyon geothermal unit shall subject the lease to cancellation.

Parcels

Description of Lands

NV-13-01-008

All Land

NV-NSO-UJR-02

NV-CCDO-ES

**Endangered Species Stipulation**

The following mitigating measures are to be included as a special stipulation on all geothermal leases issued in the Carson City District Office Management area. The lessee shall comply with the following special conditions and stipulations unless they are modified by mutual agreement of the Lessee and the Authorized Officer (AO).

**Endangered Species.** The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objectives to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modifications of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act, 16 USC §1531 et seq., as amended, including completion of any required procedure for conference or consultation.

<u>Parcels</u>	<u>Description of Lands</u>
NV-13-01-007	All Lands
NV-13-01-008	All Lands

NV-CCDO-NAC

**Native American Consultation Stipulation**

The following mitigating measures are to be included as a special stipulation on all geothermal leases issued in the Carson City District Office Management area. The lessee shall comply with the following special conditions and stipulations unless they are modified by mutual agreement of the Lessee and the Authorized Officer (AO).

**Native American Consultation.** All development activities proposed under the authority of this lease are subject to the requirement for Native American consultation prior to BLM authorizing the activity. Depending on the nature of the lease developments being proposed and the resources or concerns to tribes potentially affected, Native American consultation and resulting mitigation measures to avoid significant impacts may extend time frames for processing authorizations for development activities, as well as change in the ways in which developments are implemented.

<u>Parcels</u>	<u>Description of Lands</u>
NV-13-01-007	All Lands
NV-13-01-008	All Lands

NV-CCDO-NAC

NV-CCDO-RA-NSO

**No Surface Occupancy Stipulation**  
**Riparian Areas**

The following mitigating measures are to be included as a special stipulation on all geothermal leases issued in the Carson City District Office Management area. The lessee shall comply with the following special conditions and stipulations unless they are modified by mutual agreement of the Lessee and the Authorized Officer (AO).

**Riparian Areas.** No surface occupancy within 650 feet (horizontal measurement) of any surface water bodies, riparian areas, wetlands, playas or 100-year floodplains to protect the integrity of these resources (as delineated by the presence of riparian vegetation and not actual water). Exceptions to this restriction may be considered on a case-by-case basis if the BLM determines at least one of the following conditions apply: 1) additional development is proposed in an area where current development has shown no adverse impacts, 2) suitable off-site migration will be provided if habitat loss is expected, or 3) BLM determines development proposed under any plan of operations ensures adequate protection of the resources.

<u>Parcels</u>	<u>Description of Lands</u>
NV-13-01-007	All Lands
NV-13-01-008	All Lands

NV-CCDO-RA-NSO



**Threatened, Endangered and Special Status Species Stipulation**

The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it complete its obligations under applicable requirements of the Endangered Species Act as amended, 16 USC 1531 et seq., including completion of any required procedure for conference or consultation.

Parcels

Description of Lands

NV-13-01-009

All Lands

**Raptor Nesting Sites Stipulation**

This lease may contain lands with active raptor nesting sites. These lands are subject to seasonal protection from disturbance to avoid displacement and mortality of raptor young. Restrictions apply up to a 0.5 mile radius around the active nesting sites of the following species during the period described. The entire Elko District may provide suitable nesting for one or more of the species listed below.

- a) Golden Eagles and Great Horned Owls during the period 1/1-6/30, inclusive.
- b) Long-eared Owls during the period 2/1-5/15, inclusive.
- c) Prairie Falcons during the period 3/1-6/30, inclusive.
- d) Ferruginous Hawks, Northern Harriers, and Barn Owls during the period 3/1-7/31, inclusive.
- e) Goshawk and Sharp-shinned Hawks during the period 3/15-7/15, inclusive.
- f) Cooper's Hawks, Kestrels, and Burrowing Owls during the period 4/1-6/30, inclusive.
- g) Red-tailed and Swainson's Hawk during the period 4/1-7/15, inclusive.
- h) Short-eared Owls during the period 2/1-6/15, inclusive.

<u>Parcels</u>	<u>Description of Lands</u>
NV-13-01-009	All Lands

**Cultural Resources Stipulation**

This lease may be found to contain historic properties and/or resources protected under the National Historic Preservation Act (NHPA), American Indian Religious Freedom Act, Native American Graves Protection and Repatriation Act, E.O. 13007, or other statutes and executive orders. The BLM will not approve any ground disturbing activities that may affect any such properties or resources until it completes its obligations under applicable requirements of the NHPA and other authorities. The BLM may require modification to exploration or development proposals to protect such properties, or disapprove any activity that is likely to result in adverse effects that cannot be successfully avoided, minimized or mitigated.

**Parcels**

**Description of Lands**

NV-13-01-009

All Lands

**Mule Deer Crucial Winter Range**

This lease contains lands which have identified as mule deer crucial winter range (BLM EA 2005/030, September 2005). These lands are subject to seasonal protection from disturbance to avoid displacement and mortality to animals during the winter. Seasonal restrictions from disturbance in mule deer crucial winter ranges apply during the period 11/15-3/16, inclusive.

Parcels

Description of Lands

NV-13-01-009

All Lands

**Pronghorn Antelope Crucial Winter Range**

This lease contains lands which have been identified as pronghorn antelope crucial winter range. These lands are subject to seasonal protection from disturbance to avoid displacement and mortality to animals during the winter. Seasonal restrictions from disturbance in pronghorn antelope crucial winter ranges apply during the period 11/15-3/16, inclusive.

<u>Parcels</u>	<u>Description of Lands</u>
NV-13-01-009	All Lands

**OG-010-05-13**

**Congressionally Designated Historic Trails**

This parcel includes lands within one mile of the center of Congressionally designated historic trails. Fluid mineral leasing activities within one mile of the center of Congressionally designated historic trails may be limited or modified to protect the historical and scenic values of the trails.

**Parcels**

**Description of Lands**

NV-13-01-009

All Lands

**NV-WDO-CRNA-01, General**

**Cultural & Native American**

The authorized officer of the BLM would consult with the appropriate Native American Tribes and State Historic Preservation Officers regarding historic and cultural resources per Section 106 of the National Historic Preservation Act. The presence of archeological sites and historic properties would be determined on the basis of records search and literature review of recorded sites and properties in the proposed lease area and a buffer around the lease area, if appropriate. Additional historical, cultural or ethnographic research, consultation and/or inventories may be required to identify resources, determine effects, mitigate adverse effects and complete the Section 106 process.

**Parcels**

**Description of Lands**

NV-13-01-003

THRU

NV-13-01-006

All Lands

**NV-WDO-CRNA-02, NTL/General**

**National Historic Protection Act**

All surface disturbing activities proposed after issuance of the lease are subject to compliance with Section 106 of the National Historic Protection Act (NHPA) and its implementation through the protocol between the BLM Nevada State Director and the Nevada State Historic Preservation Officer.

Parcels

Description of Lands

NV-13-01-003

THRU

NV-13-01-006

All Lands

NV-WDO-CRNA-02, NTL/General



**NV-WDO-CRNA-03(b), NTL**

**Cultural/Native American**

Surface occupancy may be limited in areas with important cultural and archeological resources, such as traditional cultural properties and Native American sacred sites, as identified through consultation.

For development and production phases, surface occupancy may be limited to a specific distance or precluded at hot springs, pending conclusion of the Native American consultation process.

**Parcels**

**Description of Lands**

NV-13-01-003  
THRU  
NV-13-01-006

All Lands

NV-WDO-CRNA-03(b), NTL

**NV-WDO-CRNA-04, NSO**

**Cultural/Native American**

**National Register of Historic Places (NRHP) No Surface Occupancy.** No surface occupancy within the boundary of properties designated or eligible for the National Register of Historic Places, including National Landmarks and National Register Districts and Sites, and additional lands outside the designated boundaries to the extent necessary to protect values where the setting and integrity is critical to their designation or eligibility.

<u>Parcels</u>	<u>Description of Lands</u>
NV-13-01-003	NTL: Cultural resource surveys have not been performed over the majority of the lease area. Potentially NRHP eligible sites exist in: T.0230N, R.0270E, 21 MDM, NV sec. 008, NWSE; sec. 018, NWNE, NENW.
NV-13-01-004	NTL: An NRHP eligible site is in the lands listed below. Other sections may need to have a Class III cultural survey done on areas of ground disturbance. T.0460N, R.0280E, 21 MDM, NV sec. 022, SE.

NV-WDO-CRNA-04; NSO

**NV-WDO-CRNA-04(a), NSO**

**Cultural/Native American**

**National Register of Historic Places (NRHP) No Surface Occupancy.** No surface occupancy within the boundary of properties designated or eligible for the National Register of Historic Places, including National Landmarks and National Register Districts and Sites, and additional lands outside the designated boundaries to the extent necessary to protect values where the setting and integrity is critical to their designation or eligibility.

*Notice to Lessee:* Would apply if significance has not been determined.

Parcels

Description of Lands

NV-13-01-005

*NTL:* A potential NRHP eligible site is in the lands listed below.  
Class III cultural surveys may need to be done for other areas of ground disturbance.  
T.0470N, R.0300E, 21 MDM, NV  
sec. 018, S2SW, S2SE.

NV-WDO-CRNA-04(a), NSO

**NV-WDO-CRNA-04(a), NSO 2008**

**Cultural/Native American**

**National Register of Historic Places (NRHP) No Surface Occupancy.** No surface occupancy within the boundary of properties designated or eligible for the National Register of Historic Places, including National Landmarks and National Register Districts and Sites, and additional lands outside the designated boundaries to the extent necessary to protect values where the setting and integrity is critical to their designation or eligibility.

*Notice to Lessee:* Would apply if significance has not been determined.

Parcels

Description of Lands

NV-13-01-006

*NTL:* A NRHP eligible site exists in:  
T.0310N, R.0330E, 21 MDM, NV  
sec. 8, SWNE, NWSE.  
*NTL:* Potential NRHP eligible sites exist in:  
T.0310N, R.0330E, 21 MDM, NV  
sec. 4, ALL;  
sec. 38, LOT 1, LOTS 3-4.

NV-WDO-CRNA-04(a), NSO 2008

**NV-WDO-HT-01(a), NSO**

**No Surface Occupancy Stipulation**  
**Historic Trails**

**National Register of Historic Places (NRHP) no surface occupancy.** No surface occupancy within the boundary of properties designated or eligible for the National Register of Historic Places, including National Landmarks and National Register Districts and Sites, and additional lands outside the designated boundaries to the extent necessary to protect values where the setting and integrity is critical to their designation or eligibility.

Notice to Lessee: No surface occupancy will be applied on congressionally designated historic trails and additional lands bordering the trails to the extent necessary to protect values where the setting and integrity is critical to their designation or eligibility.

Parcels

Description of Lands

NV-13-01-006

All Lands

The California Trail goes through part of the section listed below:

T.0310N, R.0330E, 21 MDM, NV  
sec. 004, ALL.

The other sections are within a mile of the California Trail

## NV-WDO-HT-02, CSU/NTL

### Historic Trails

**Protection of visual resources.** This stipulation would be applied to BLM Visual Resource Management Class II areas (Visual Resource Management Class III management objectives would be met through conditions of approval applied during the permit approval process, and may be referenced in a lease notice) and other sensitive viewsheds such as within the visual setting of National Scenic and Historic Trails or near residential areas.

*Notice to Lessee:* These parcels include lands within the viewshed of congressionally designated historic trails. Fluid mineral operational activities may be subject to VRM standards up to VRM Class II in order to protect the historical and scenic values of the trails.

<u>Parcels</u>	<u>Description of Lands</u>
NV-13-01-003	All Lands
NV-13-01-006	All Lands The California Trail goes through part of the section listed below: T.0310N, R.0330E, 21 MDM, NV sec. 004, ALL. The other sections are within a mile of the California Trail.

**NV-WDO-L&R-01, NTL**

**Lands & Realty – Linear Right(s)-of-Way**

These parcels may contain linear Right(s)-of-Way (ROW). Contact ROW holder prior to any geothermal activities. No drilling, including exploration or development activities within linear ROWs. Maintain a safe distance from electric conductors as recommended by the National Electric Safety Code.

Parcels

Description of Lands

NV-13-01-003

THRU

NV-13-01-006

All Lands

NV-WDO-L&R-01, NTL

## NV-WDO-PALEO-01, NTL/General

### Paleontological Resources

This area has low potential for vertebrate paleontological resources. Potential Fossil Yield Classification (PFYC) 1 & 2: Very low/Low Potential. This area may contain vertebrate paleontological resources. In the event that previously undiscovered paleontological resources are discovered in the performance of any surface disturbing activities, the item(s) or condition(s) will be left intact and immediately brought to the attention of the authorized officer of the BLM. If fossils are discovered, avoidance or data recovery will be required prior to their disturbance if they are deemed to be of scientific importance. Surface restrictions may be applied to surface disturbing activities.

#### Parcels

#### Description of Lands

NV-13-01-003  
THRU  
NV-13-01-006

All Lands

NV-WDO-PALEO-01, NTL/General



## NV-WDO-PALEO-02, NTL

### Paleontological Resources

This area has moderate potential for vertebrate paleontological resources. Potential Fossil Yield Classification (PFYC) 3: Moderate Potential. Inventory and/or on-site monitoring during disturbance or spot checking may be required. If fossils are discovered, avoidance or data recovery will be required prior to their disturbance if they are deemed to be of scientific importance.

<u>Parcels</u>	<u>Description of Lands</u>
NV-13-01-003	T.0230N, R.0270E, 21 MDM, NV sec. 006, S2, E2NW, SWNW, W2NE, SENE; sec. 008, S2, NW; sec. 018, ALL.
NV-13-01-004	T.0470N, R0280E, 21 MDM, NV sec. 022, LOTS 1-4; T.0470N, R.0290E, 21 MDM, NV sec. 025, ALL; sec. 036, N2.
NV-13-01-005	All Lands
NV-13-01-006	T.0310N, R.0330E, 21 MDM, NV sec. 004, ALL; sec. 008, ALL.

NV-WDO-PALEO-02, NTL

**NV-WDO-RIPAR-01, NSO**

**No Surface Occupancy Stipulation**  
**Riparian**

No surface occupancy near surface water bodies, riparian areas, wetlands, playas or 100-year floodplains.

Parcels

Description of Lands

NV-13-01-003

Applied to the following areas based on streams and playa areas mapped in the National Hydrography Dataset:  
T.0230N, R.0270E, 21 MDM, NV  
sec. 006, LOT 1, S2 LOT 2, SW LOT 3, LOTS 4-5, E2SENW, SWNE, SENE, NESE, NWSE, NESW, L6, N2L7, NWNESESWSE, SESE;  
sec. 008, NENE, NWNE, NWSWSENNWNW, SWNW, NESWSESENW, SWNE, SENE, NESE, NWSE, NESW, NWSW, SWSW, SESW, NENWSESWSE, NENWSWSESE;  
sec. 018, S2 LOT 4, E2NENE, SENE, NESE, E2NWSE, SESESW, SWSE, SESE.

NV-13-01-004

Applied to the following areas based on ponds and playa areas mapped in the National Hydrography Dataset:  
T.0460N, R.0280E, 21 MDM, NV  
sec. 022, LOTS 1-2, S2 LOT 3, LOTS 4-5, E2 LOT 6, LOT 7, E2NENE, W2NWNE, NENW, SENW, E2SWNE, NESWSESENE, NESE, SENWSE, S2NESW;  
sec. 023, ALL;  
sec. 024, W2.  
T.0470N, R.0290E, 21 MDM, NV  
sec. 025, LOTS 1-2, NENWSWNNWNE, NENW, SENW, NWSWNE, N2L3, NWNESW.

NV-13-01-005

Applied to the following areas based on playa areas mapped in the National Hydrography Dataset:  
T.0470N, R.0300E, 21 MDM, NV  
sec. 018, NESWSENE, S2NWNE, S2NENW, SENWNW, SWNW, SENW, SWNE, SENE, NWNESE, NWSE, SW, NWSWSE.

NV-13-01-006

Applied to the following areas based on playa areas mapped in the National Hydrography Dataset as well as FEMA mapped 100 year floodplains:

T.0310N, R.0330E, 21 MDM, NV

sec. 004, LOT 1, N2 LOT 2, NESE, NWSE, SESESW, SWSE, SESE;

sec. 008, NENE, NENWSENE, E2NENW, SENW,

NESWSESWNE, SENE, NESE, NWSE, W2SWSE, N2SESE;

sec. 010, NE, N2NW, NESENE, N2SW, NENWSESWSW,

NWSWSESESW, N2SE, NESWSE, NENESESESE;

sec. 038, ALL.

NV-WDO-RIPAR-01, NSO  
2 OF2

## NV-WDO-RIPAR-02, CSU/NTL

### Riparian

**Controlled surface use of riparian and wetland habitat.** Controlled surface use would be applied within 500 feet of riparian and wetland vegetation to protect the values and functions of these areas. Measures required will be based on the nature, extent, and value of the area potentially affected.

#### Parcels

#### Description of Lands

NV-13-01-003

Applied to the following areas based on streams and playa areas mapped in the National Hydrography Dataset:  
T.0230N, R.0270E, 21 MDM, NV  
sec. 006, LOT 1, S2 LOT 2, SW LOT 3, LOTS 4-6, N2 LOT 7,  
E2SENW, SWNE, SENE, NESE,  
NWSE, NESW, L6, N2L7, NWNESESWSE, SESE;  
sec. 008, NENE, NWNE, NWSWSENWNW, SWNW,  
NESWSESENW, SWNE, SENE, NESE, NWSE, NESW,  
NWSW, SWSW, SESW, NENWSESWSE, NENWSWSESE;  
sec. 018, E2NENE, SENE, NESE, E2;  
sec. 026, E2NE, NESE.

NV-13-01-004

Applied to the following areas based on ponds and playa areas mapped in the National Hydrography Dataset:  
T.0460N, R.0280E, 21 MDM, NV  
sec. 022, LOTS 1-2, S2 LOT 3, LOTS 4-5, E2 LOT 6, LOT 7,  
E2NENE, W2NWNE, NENW, SENW, E2SWNE,  
NESWSESENE, NESE, SENWSE, S2NESW;  
sec. 023, ALL;  
sec. 024, W2.  
T.0470N, R.0290E, 21 MDM, NV  
sec. 025, LOTS 1-2, N2 LOT 3, NENWSWNWNE, NENW, SENW,  
NWSWNE, NWNESE.

NV-13-01-005

Applied to the following areas based on streams and playa areas mapped in the National Hydrography Dataset::  
T.0470N, R.0300E, 21 MDM, NV  
sec. 018, NESWSENE, S2NWNE, S2NENW, SENWNW, SWNW,  
SENW, SWNE, SENE, NWNESE, NWSE, SW, NWSWSE.

NV-WDO-RIPAR-02, CSU/NTL

1 OF 2

NV-13-01-006

Applied to the following areas based on streams and playa areas mapped in the National Hydrography Dataset as well as FEMA mapped 100 year floodplains:

T.0310N, R.0330E, 21 MDM, NV

sec. 004, LOT 1, N2 LOT 2, NESE, NWSE, SESESW, SWSE, SESE;

sec. 008, NENE, NENWSENWNE, E2NENW, SENW,

NESWSESWNE, SENE, NESE, NWSE, W2SWSE, N2SESE;

sec. 010, NE, N2NW, NESENW, N2SW, NENWSESWSW,

NWSWSESESW, N2SE, NESWSE, NENESESESE;

sec. 038, ALL.

NV-WDO-RIPAR-02, CSU/NTL

2 OF 2

**NV-WDO-SOIL-01, NSO**

**No Surface Occupancy Stipulation**  
**Soils**

No surface occupancy on slopes in excess of 40 percent and/or soils with high erosion potential.

Parcels

Description of Lands

NV-13-01-004

T.0460N, R.0280E, MDM 21, NV  
sec. 022, LOTS 5-6, W2NE, NENE, W2SENE, NESW, SWNE;  
sec. 023, W2NWNW;  
sec. 024, E2NENW, E2SENE, E2NESWNE, N2SE, E2SWSE, SESE.

T.0470N, R.0290E, MDM 21, NV  
sec. 025, E2NENE, S2SWSE;  
sec. 030, LOTS 1-3, NENE, E2NWNW, SENE, E2SWNE, W2NENW,  
W2SENE, NESW, W2NWSE, NESE, S2S2.

NV-13-01-006

T.0310N, R.0330E, 21 MDM, NV  
sec. 008, W2SESE.

NV-WDO-SOIL-01, NSO

## NV-WDO-SOIL-02, CSU

### Soils

**Controlled surface use for protection of erosive soils and soils on slopes greater than 30 percent.** This stipulation would be applied to minimize the potential for adverse impacts to soils as defined as severe or very severe erosion classes based on Natural Resources Conservation Service mapping.

*\*Areas identified as having high potential for wind erosion can be evaluated by the BLM on a case-by-case basis for establishing possible mitigation measures.*

#### Parcels

#### Description of Lands

NV-13-01-003

THRU

NV-13-01-005

Areas affected by high wind erosion:

All Lands

NV-WDO-SOIL-02, CSU

## NV-WDO-SSS-01, General/NTL

### Threatened & Endangered & Special Status Species

**Threatened, Endangered and Other Special Status Species.** The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed, threatened, endangered or other special status species or result in the destruction or adverse modifications of a designated or proposed critical habitat. BLM will not approve any ground disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act, 16 U.S.C. 1531, as amended, including completion of any required procedure for conference or consultation.

*Notice to Lessee:* All plants and any member of the animal kingdom, including without limitation any mammal, fish, bird, amphibian, reptile, mollusk, crustacean, arthropod, or other invertebrates, (BLM Manual Rel. 6840, IM 2009-039), designated as endangered, threatened, or other special status will be considered in each project proposal. The parcel habitat will be evaluated for the presence or potential presence of any listed species. If a special status species is located or the potential for a special status species exists, it is the applicant's responsibility to address the impacts of the proposed activities on these species and offer mitigation measures to the BLM for consideration. If surveys are required, the surveys will be performed at the applicant's expense by a biologist and/or botanist acceptable to the BLM. Survey methodology will follow scientifically acceptable protocols and approved by the BLM. Surveys will be conducted at an appropriate time (seasonally and hourly) with regard to species specificity.

#### Parcels

#### Description of Lands

NV-13-01-003  
THRU  
NV-13-01-006

All Lands

NV-WDO-SSS-01, General/NTL



**NV-WDO-VRM-02, CSU**

**Visual Resource Management**

**Controlled surface use for the protection of visual resources.** Controlled surface use would be applied to BLM Visual Resource Management Class II areas (Visual Resource Management Class III management objectives would be met through conditions of approval during the permit approval process, and may be referenced in a lease notice); NFS lands with a Scenery Management System integrity level of High; and other sensitive view sheds such as within the visual setting of National Scenic and Historic Trails or near residential areas.

Areas of the proposed lease are in Zones II & III.

<u>Parcel</u>	<u>Description of Lands</u>
NV-13-01-003	All Lands in lease are in Class III
NV-13-01-006	All Lands in lease are in Class II

NV-WDO-VRM-02, CSU

## NV-WDO-WATER-01, General/NTL

### Water Resources

**Monitoring surface and subsurface water resources.** As exploration and development activities commence, the operator shall institute a surface and subsurface hydrologic monitoring program. The details of the monitoring programs will be site-specific and the intensity shall be commensurate with the level of exploration.

<u>Parcels</u>	<u>Description of Lands</u>
NV-13-01-003 THRU NV-13-01-006	All Lands

NV-WDO-WATER-01, General/NTL

## NV-WDO-WATER-02, NTL

### Water Resources

**Characterizing surface expressions of geothermal reservoir.** Prior to surface disturbing activities, a survey of surface expressions of the geothermal reservoir (hot springs) shall be conducted. This survey will include, at a minimum, invertebrates and water characteristics. Stipulations may be applied to protect the integrity of geothermal resource features such as springs and geysers. If it is determined that geothermal operations are reasonably likely to result in significant adverse effects to such a feature, then the BLM may apply surface restricting stipulations or decline development.

#### Parcels

#### Description of Lands

NV-13-01-004

Three springs are located off lease within 0.5 miles of the lease boundary. Baltazor Hot Springs is located approximately 0.5 miles north of Section 024, in:  
T.0460N, R.0280E, 21 MDM, NV  
sec. 013, NESW, NWNW.

These springs should be evaluated for geothermal characteristics.

NV-WDO-WATER-02, NTL

NV-WDO-WILD-02, TL

Wildlife: Sage-grouse

**Timing limitations on known or potential sage grouse habitat.** *Prior to entry on any lease areas which include known or potential habitat, the lessee (operator) shall contact the appropriate BLM Field Office to discuss any proposed activities.* During the times specified below, avoid all development or exploration activities within known nesting, brood-rearing and winter habitat, and within 1 km (0.6 mile) of known or potential habitat (Population Management Units [PMUs]). The times specified are per interim NV Guidelines or as determined by Field Office and Wildlife personnel.

Nesting habitat and brood-rearing habitats: April through August.

Winter habitats: October through March.

Parcels

Description of Lands

NV-13-01-006

A portion of this parcel (identified below) is within the Humboldt Population Management Unit (PMU) for BLM designated sensitive species Greater Sage-grouse (*Centrocercus urophasianus*).  
T.0310N, R.0330E, 21 MDM, NV  
sec. 010, E2.

NV-WDO-WILD-02, TL

**NV-WDO-WILD-03, CSU/TL**

**Wildlife: Bighorn Sheep**

**Controlled surface use or timing limitations for bighorn sheep habitat.** Limit off-road vehicle use during the lambing seasons (May 1 through June 30) in bighorn sheep use areas. Limit new trail or road construction on potential bighorn sheep range to minimize access.

Parcels

Description of Lands

NV-13-01-003

All Lands  
Potential Bighorn Sheep range.

NV-13-01-004

All Lands  
Crucial Bighorn Sheep winter habitat.

NV-WDO-WILD-03, CSU/TL

NV-WDO-WILD-04, CSU/NTL

Wildlife

**Controlled surface use or timing limitations for critical big game habitat.**

*Notice to Lessee:* Upon site specific analysis, controlled surface use, timing limitations, or mitigation measures may be applied to address areas of crucial deer, antelope, and bighorn sheep habitat.

<u>Parcels</u>	<u>Description of Lands</u>
NV-13-01-004	All Lands
NV-13-01-006	Crucial winter habitat for mule deer: All Lands

NV-WDO-WILD-04, CSU/NTL

NV-WDO-WILD-05, General

Wildlife: Sensitive Species

**Sensitive Species Stipulation. Controlled Surface use or Timing Limitation to protect agency-designated sensitive species.** For agency-designated sensitive species (e.g. sage-grouse), a lease stipulation (controlled surface use, or timing limitations) would be imposed for those portions of high value/key/crucial species habitat where other existing measures are inadequate to meet agency management objectives.

*Notice to Lessee:* Based on habitat characteristics, the lessee may be required to conduct surveys for sensitive species that may potentially utilize the area.

<u>Parcels</u>	<u>Description of Lands</u>
NV-13-01-003 THRU NV-13-01-006	All Lands

NV-WDO-WILD-05, General

NV-WDO-WILD-05, NSO/CSU/NTL

Wildlife: Sensitive Species

***Sensitive Species Stipulation.*** **Controlled Surface use or Timing Limitation to protect agency-designated sensitive species.** For agency-designated sensitive species (e.g. sage-grouse), a lease stipulation (No surface occupancy, controlled surface use, or timing limitations) would be imposed for those portions of high value/key/crucial species habitat where other existing measures are inadequate to meet agency management objectives.

*Notice to Lessee:* Based on habitat characteristics, the lessee may be required to conduct surveys for sensitive species that may potentially utilize the area.

<u>Parcels</u>	<u>Description of Lands</u>
NV-13-01-003	All Lands Sensitive plant surveys will be required.
NV-13-01-004 THRU NV-13-01-005	All Lands The following sensitive species have been observed in the vicinity of these parcels: Bleached Sandhill Skipper – No Surface Occupancy Western Snowy Plover Puebla Valley Peppergrass Alvord Chub
NV-13-01-006	All Lands Surveys would be needed for Owyhee Prickly Phlox and other sensitive plants to determine whether or not an NSO/CSU is applied. Additionally, the Western Snowy Plover, a sensitive species, has been observed in the vicinity of these parcels.

NV-WDO-WILD-05, General/NSO/CSU/NTL



NV-WDO-WILD-05 (a), NSO

**No Surface Occupancy Stipulation**

**Wildlife: Sage-grouse**

**No Surface occupancy in sage-grouse Population Management Units (PMUs).**

Parcels

Description of Lands

NV-13-01-006

A portion of this parcel (identified below) is within the Humboldt Population Management Unit for BLM designated sensitive species Greater Sage-grouse (*Centrocercus urophasianus*).

T.0310N, R.0330E, 21 MDM, NV

sec. 010, E2;.

sec. 038, ALL.

**All Lands**

NV-WDO-WILD-05 (a), NSO

**NV-WDO-WILD-05 (b), CSU (2002)**

**Wildlife: Sage-grouse**

No exploration during brooding/nesting period (April through August) in identified nesting habitat.

Parcels

Description of Lands

NV-13-01-006

All Lands.

NV-WDO-WILD-05 (b), CSU (2002)

**NV-WDO-WILD-05 (c), NTL/TL**

**Wildlife: Sage-grouse**

No exploration during winter (October through March) in identified winter habitats.

Parcels

Description of Lands

NV-13-01-006

All Land

NV-WDO-WILD-05 (c), NTL

NV-WDO-WILD-06, NTL

Wildlife

**Timing limitation on wildlife migration corridors and important habitat.**

*Notice to Lessee:* Upon site specific analysis, controlled surface use, timing limitations, or migration measures may be applied to address mitigation corridors for deer, antelope, and bighorn sheep habitat.

Crucial Winter Habitat (November 15 – April 30)

<u>Parcels</u>	<u>Description of Lands</u>
NV-13-01-004	All Lands
NV-13-01-006	All Lands Crucial winter habitat for mule deer.

NV-WDO-WILD-06, NTL

## NV-WDO-WILD-07, General/NTL

### Wildlife: Migratory Birds

**General migratory birds timing limitation.** Ground disturbing activities during the migratory bird-nesting season (approximately March through July) shall not be conducted in order to avoid potential violation of the Migratory Bird Act of 1918. Should ground disturbing activities be necessary during this period, appropriate inventories for migratory birds shall be conducted no sooner than 10 days prior to ground-disturbance. This survey would identify either breeding adult birds or nest sites within the areas to be disturbed. If active nests are present, the proponent would coordinate with the BLM to develop appropriate protection measures for these sites, which may include avoidance, construction constraints, and/or establish buffers.

*Notice to Lessee:* The general definition of migratory bird nesting season may be modified with consideration to the bird species that may potentially (based on habitat analysis) utilize the area. Surveys will be performed no more than ten (10) and no less than three (3) days prior to proposed disturbance activities. The applicant will notify the BLM biologist no less than five (5) work days prior to a survey being conducted. The surveys will be performed at the applicant's expense by a biologist acceptable to the BLM. Survey methodology will follow scientifically acceptable protocols and approval by the BLM biologist. BLM personnel have the option of accompanying the applicant's surveyor. Surveys will be conducted at an appropriate time (seasonally and hourly) with regard to species specificity. Protective measures will be implemented during all phases of reproductive behavior (i.e. courtship, nest building, nesting, and fledging).

#### Parcels

#### Description of Lands

NV-13-01-003  
THRU  
NV-13-01-006

All Lands

NV-WDO-WILD-07, General/NTL

**NV-WDO-WILD-08, General/NTL**

**Wildlife: Eagles and Raptors**

**Eagles and Raptors.** Bald or Golden eagles and other raptors or their habitat may be present in the lease area or within the vicinity of the lease area. The listed Instruction Memorandums (IMs) will apply to this lease parcel unless they have been superseded by further BLM directives at the time of and during the processing of an applicant's proposed action.

*Authority/Supporting Documentation:*

IM-NV-2010-063, Guidance for the Development of Project-specific Avian and Bat Protection Plans for Renewable Energy Facilities, dated August 30, 2010;

WO-IM-2010-156, Bald and Golden Eagle Protection Act – Golden Eagle National Environmental Policy Act and Avian Protection Plan Guidance for Renewable Energy, dated July 9, 2010;

IM-NV-2010-034, Consultation under the Bald and Golden Eagle Act for Projects, dated May 6, 2010;

WO-IM-2008-086, Bureau-wide Guidance for Raptor (Birds of Prey) Protection and Conservation, dated March 11, 2008.

Parcels

Description of Lands

NV-13-01-003  
THRU  
NV-13-01-006

All Lands

NV-WDO-WILD-08, General/NTL

**NV-WDO-WILD-09, General/NTL**

**Wildlife: Bats**

**Bats.** Any bat species or habitat suitable for bats may be present in the lease area or within the vicinity of the lease area. The listed Instruction Memorandums (IMs) will be applicable to this lease parcel unless they have been superseded by further BLM directives at the time of and during the process of an applicant's proposed action.

*Authority/Supporting Documentation:*

WO-IM-2010-181, Wildlife, Threatened and Endangered Species, Recreation, and Abandoned Mine Lands, dated August 19, 2010;

IM-NV-2010-063, Guidance for the Development of Project-specific Avian and Bat Protection Plans for Renewable Energy Facilities, dated August 30, 2010.

<u>Parcels</u>	<u>Description of Lands</u>
NV-13-01-003 THRU NV-13-01-006	All Lands

NV-WDO-WILD-09, General/NTL

**NV-WDO-WILD-10, General/NTL**

**Wildlife: Other Biota**

**Other Biota.** Prior to site development, a survey of the invertebrates will be conducted on areas where geothermal surface expressions occur.

Parcels

Description of Lands

NV-13-01-003  
THRU  
NV-13-01-006

All Lands